

CemPlaster Datasheet

March 2014

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A 3 - 5mm coloured, waterproof, fibre-reinforced plaster.

Purpose

To provide a 3 - 5mm tough, mottled, coloured exterior or interior plaster onto conventional wood floated or scratch plaster that is UV resistant and unaffected by water.

Limitations

Concrete and coloured plaster are susceptible to non-uniformity of colour, unless precautions are taken in applying the coloured plaster onto areas of even suction. The unsightly "smiling" of the bricks through the plaster is caused by different suction and curing of brick and mortar joints. Work from one architectural feature to another, always keeping a wet edge. Patching will cause variations in colour.

Specifying

"Cemcrete **CemPlaster** to be applied in one coat, not thicker than 5mm, over conventional wood floated or scratch coat plaster."

Specimen finish

A trial area should be treated on-site for the architect's approval.

Site Work

Storage

Can be stored in a dry shed off the floor on wooden slats for 4 months.

Weather

To avoid efflorescence, do not use in cold, wet weather. Ideal temperature is 5-30°C.

Surface preparation

Base plaster

All brick surfaces to be clean, properly cured and hard. Plaster mix to be 1 volume ordinary Portland cement, 3 volumes clean plaster sand and 1 volume clean river sand. Apply and finish with a wood float or scratch back when biscuit hard. All completed plaster to be cured by damping 3 times with clean water on the day following application. Plaster must be allowed to cure for at least 28 days prior to application of CemPlaster.

Mixing

Mix 3 volumes **CemPlaster** with 1 volume clean water. The **CemPlaster** mix should have no slump, but be workable.

Masking

For best results all windows, doors and adjacent surfaces should be masked using masking tape and brown paper. All masking material must be removed at the end of the day's work.

Cemcrete provides a comprehensive technical service based on over 3 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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Application

Final coloured coat

Thoroughly dampen the surface to be treated with clean water on the day before application. If the wall is in direct sunlight, dampen a few hours before. Mix **CemPlaster** to a thick plaster consistency using clean water only. Final thickness should not exceed 5mm. Strike off level and finish using one of the following methods:

Brushed	Brush using a large, slightly wet paintbrush while the plaster is biscuit-hard
Scratched	Scratch the surface when biscuit-hard using the edge of a steel float to pull out the larger aggregate, leaving a rough "scratched" finish
Sandstone	Lightly acid-wash the finished cured plaster to expose the special aggregates to emulate "sandstone" blocks or panels. Dampen the plaster well and apply a dilution of 1 volume hydrochloric acid mixed with 5 volumes clean water evenly over the surface. Allow to react for about 10 minutes and flush with clean water.
Sponged	Finish with a damp sponge
Smooth	Finish using a steel float, being careful not to "burn" by over-trowelling
Wood float	Finish using a wood float

Curing

All plaster work to be cured by wetting with clean water 3 times on the day following the day of application.

Coverage

Approximately 4 - 5m² per 40kg bag.

Sealing

After all work is completed and well cured, mask all windows, etc. and apply one good coat of Cemcrete Siliconseal Solvent by brush, roller or spray. See Siliconseal data sheet.

Packaging

In 40kg non-returnable paper bags.

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